

FIG. 1 is a block diagram of a system 10 for providing Internet services to users. The system 10 includes a head end 19, a modem management system 20, a cable ISP 14, a radius server 25, a router 21, a web server 26, a mail server 27, and a network 28. The head end 19 is connected to the modem management system 20 and the cable ISP 14. The head end 19 is also connected to a network 11, which is a HFC cable network. The network 11 is connected to a network 18, which is a network of cable modems (CM) and IP clients. The network 18 is connected to the head end 19. The head end 19 is also connected to the radius server 25, the router 21, the web server 26, and the mail server 27. The router 21 is connected to the network 28. The network 28 is a network of servers and clients.

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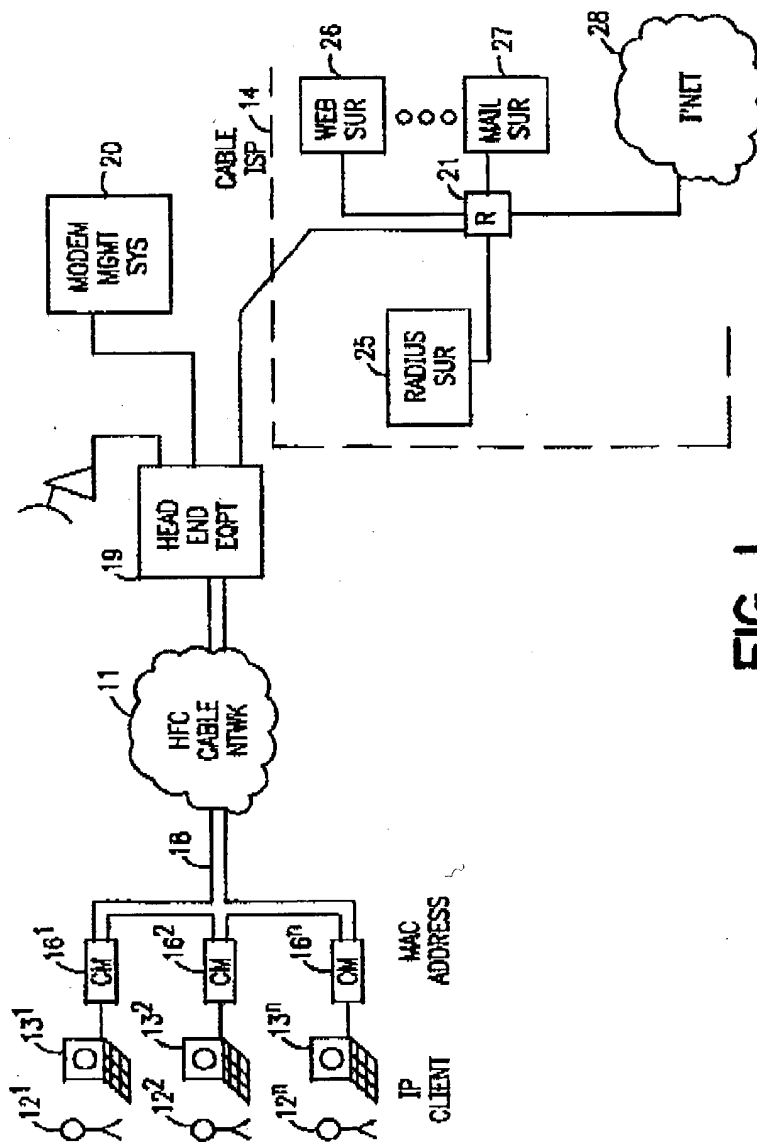


FIG. 1  
PRIOR ART

and Method of Operation for Internet Services of User's  
Choice"; USSN 09/472,602, Group 2176, Atty Ref: 1863-  
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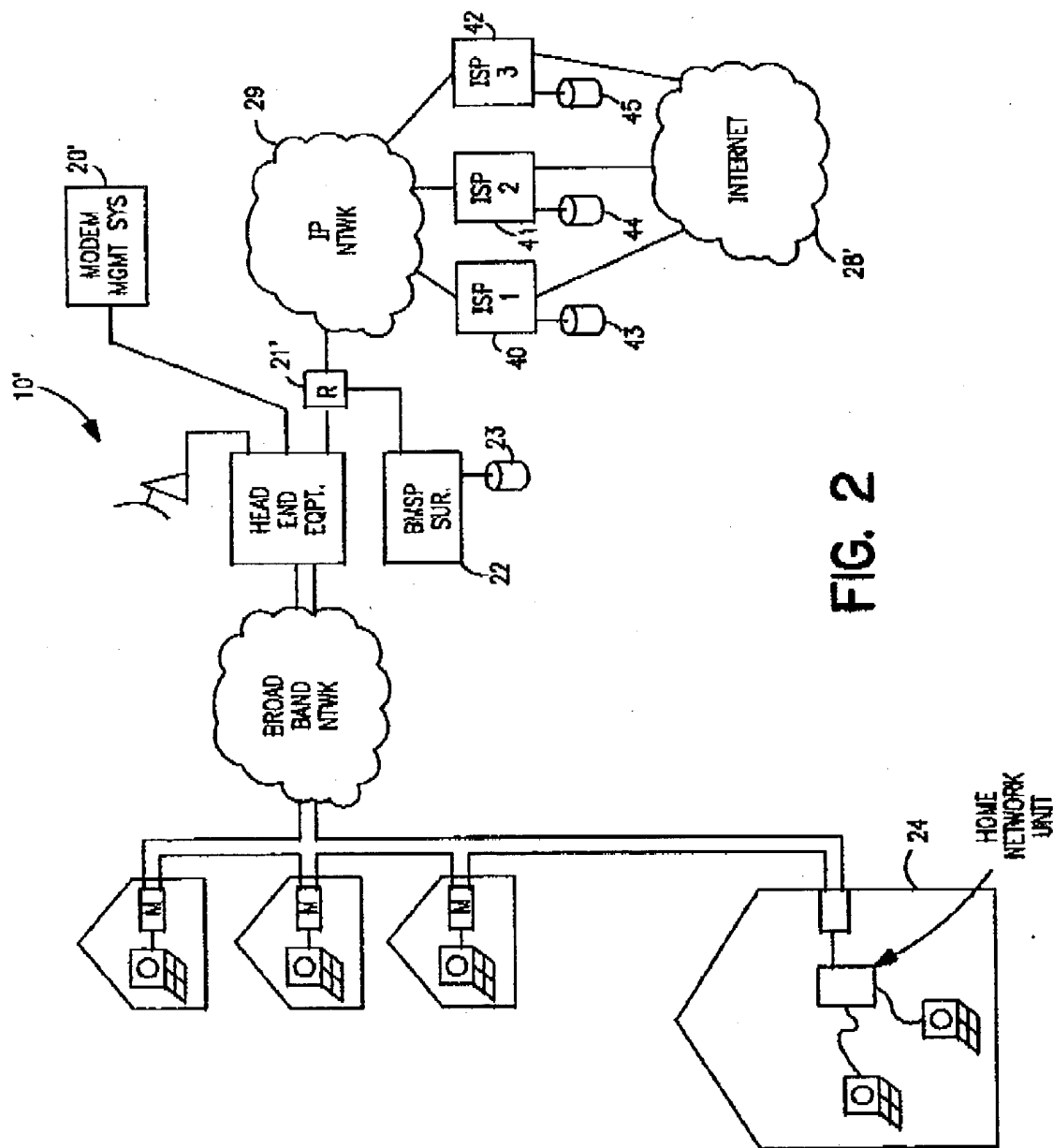


FIG. 2

and Method of Operation for Internet Services of User's  
Choice"; USSN 09/472,602, Group 2176, Atty Ref: 1963.  
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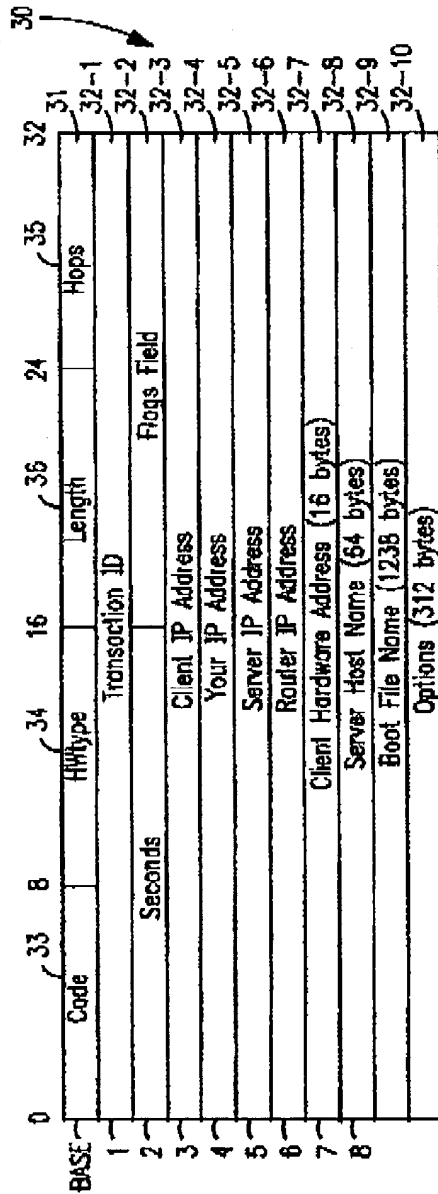


FIG. 3A

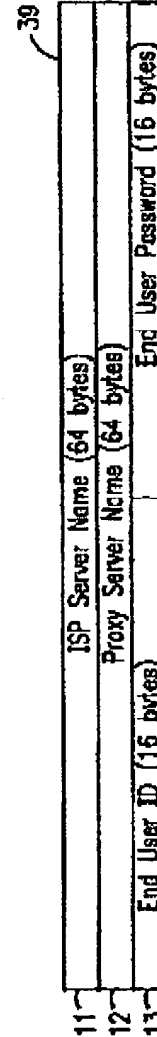


FIG. 3B

and method of operation for the system of choice;  
Choice"; USSN 09/472,602; Group 2176; Atty Ref 1963-  
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# TYPICAL BILLING INFORMATION

## PER USER, PER ISP

common to ISP Broadband carrier & Specific to Broadband carrier	User name	* variable per session
	User address	
	User ID	
	User Password	
	ISP's name	
	*Transaction ID (if used)	
	*Start/Stop times	
	*Packet count (if used)	
	*Bandwidth allocated (if used)	
	Billing options	
	-who bills (broadband carrier or ISP)	
	-pointer to billing detail	
	*-special service charges, if any	
	Client hardware address	
	Broadband carrier billing data	
	-pointer to billing detail	
	*-special services charges, if any	

FIG. 4

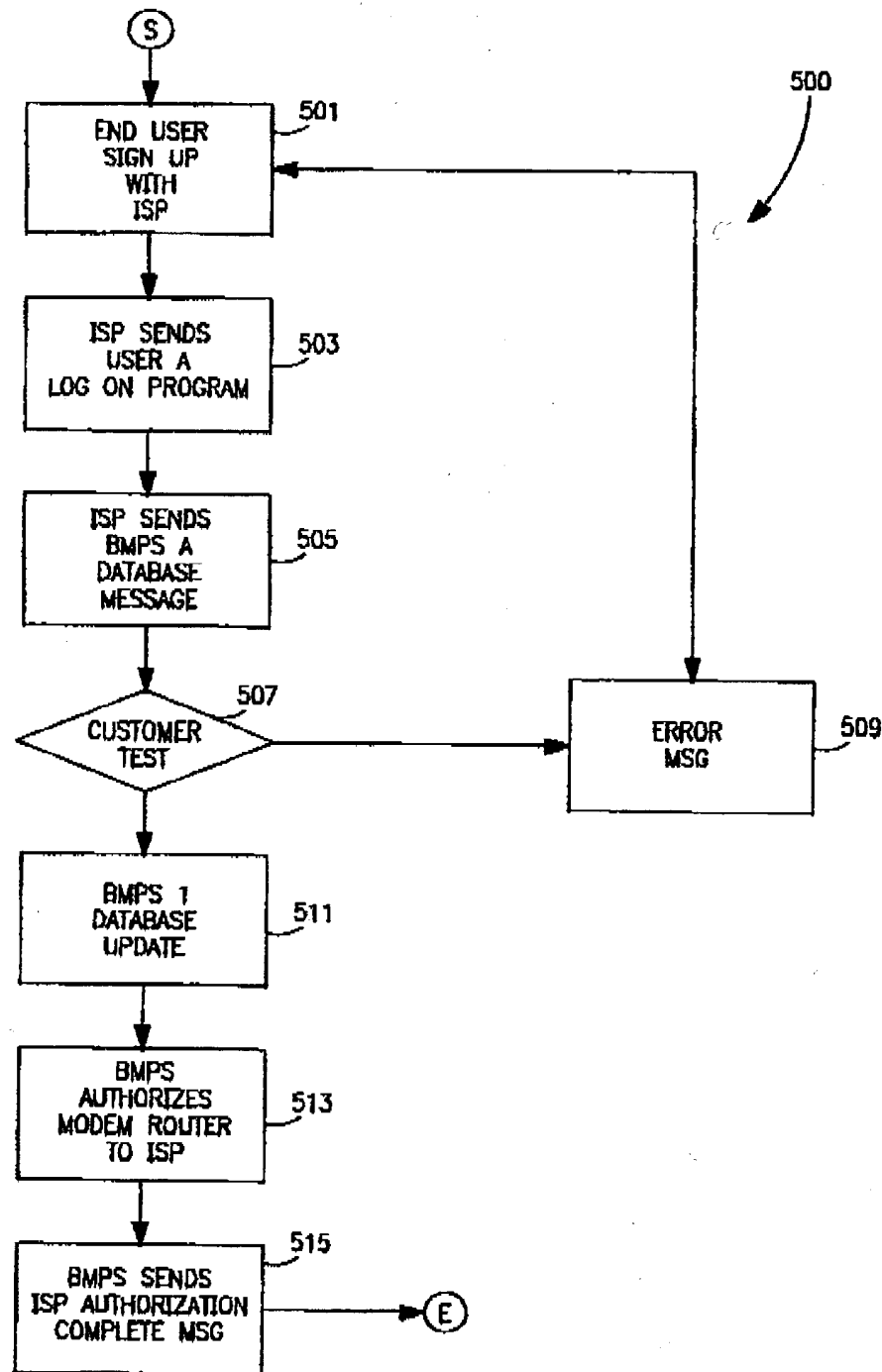


FIG. 5A

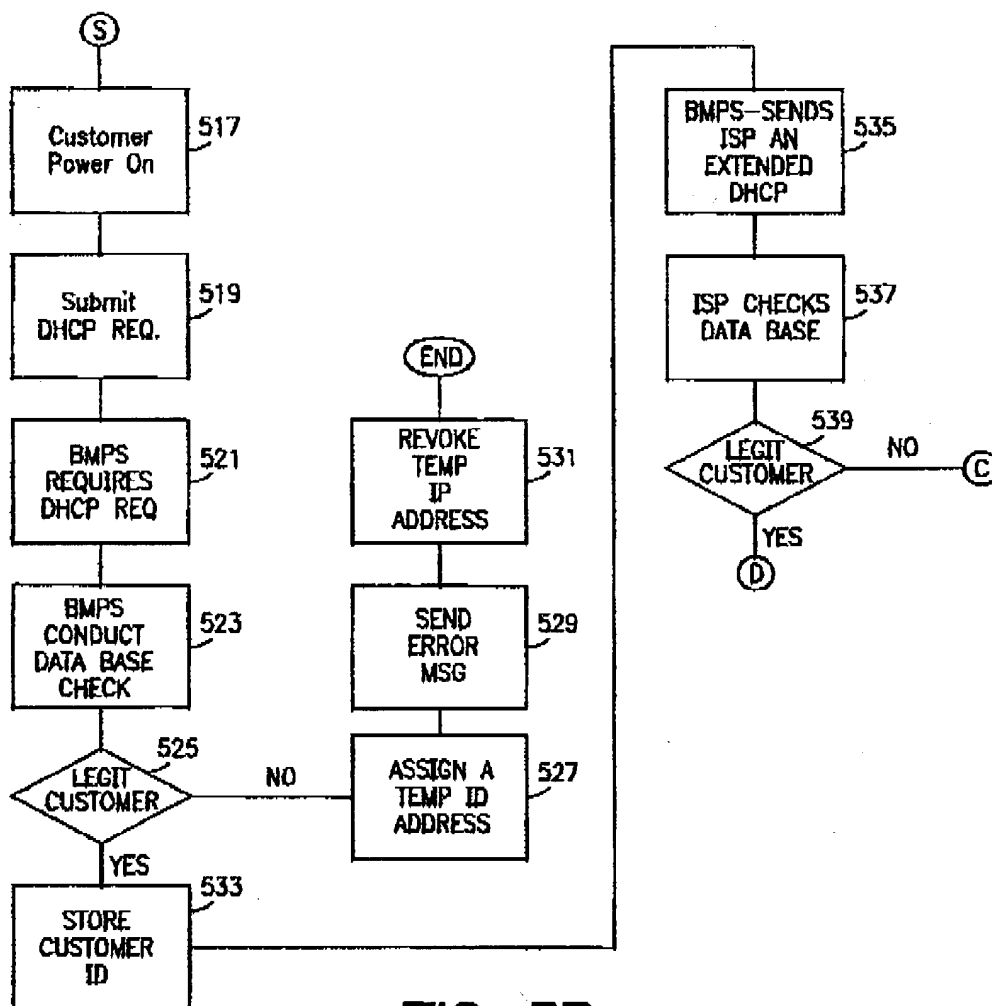


FIG. 5B

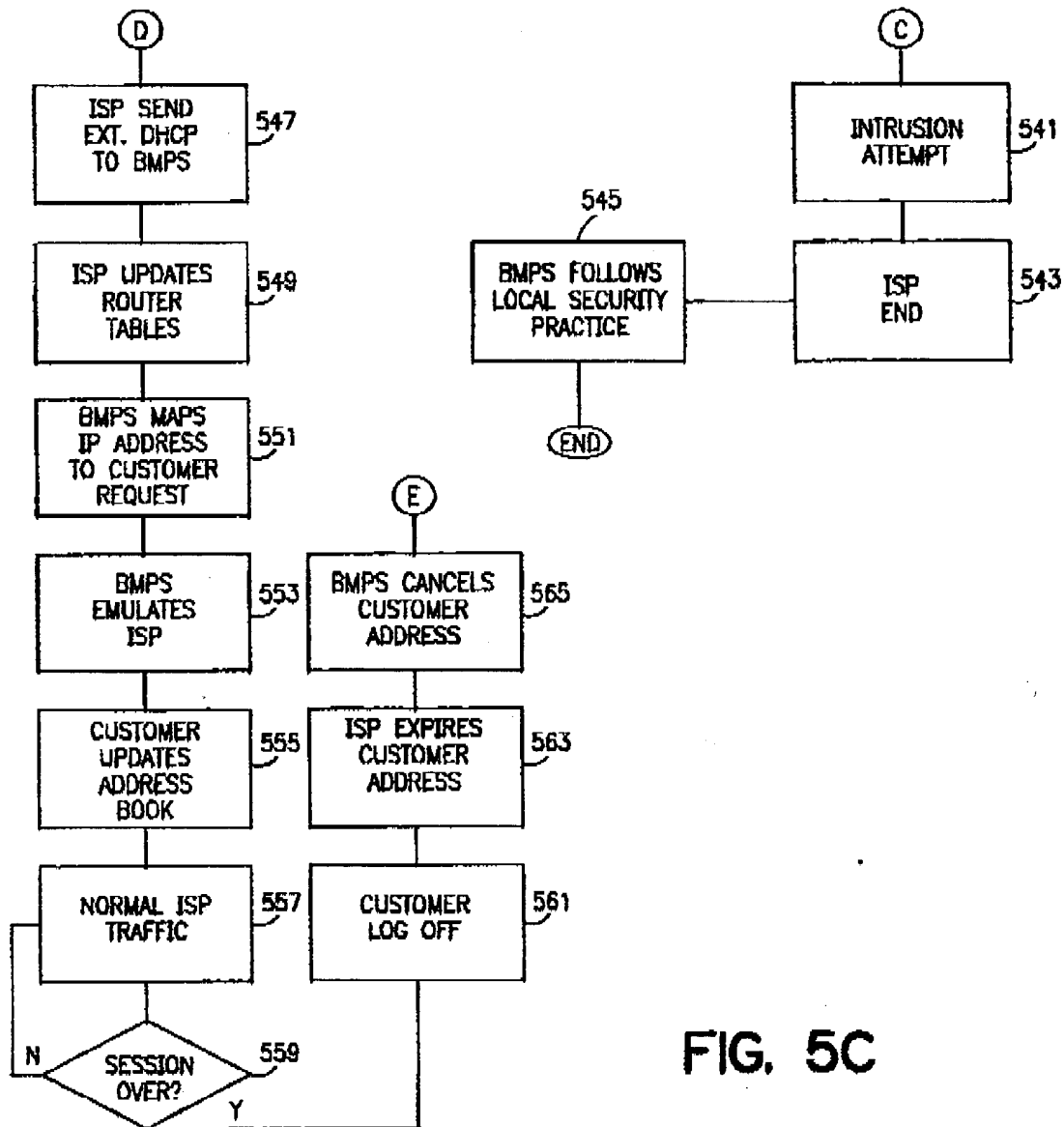


FIG. 5C